

# PRESSURE SENSITIVE SCROLLBAR FEATURE

**Patent number:** JP11511580T

**Publication date:** 1999-10-05

**Inventor:**

**Applicant:**

**Classification:**


- international: G06F3/033


- european:

**Application number:** JP19960518925T 19961106

**Priority number(s):** WO1996US17862 19961106; US19950558114 19951113

**Also published as:**

 WO9718508 (A1)

 EP0861462 (A1)

Abstract not available for JP11511580T

Abstract of correspondent: **WO9718508**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed. Pressure information is used to modify the scrolling speed.

